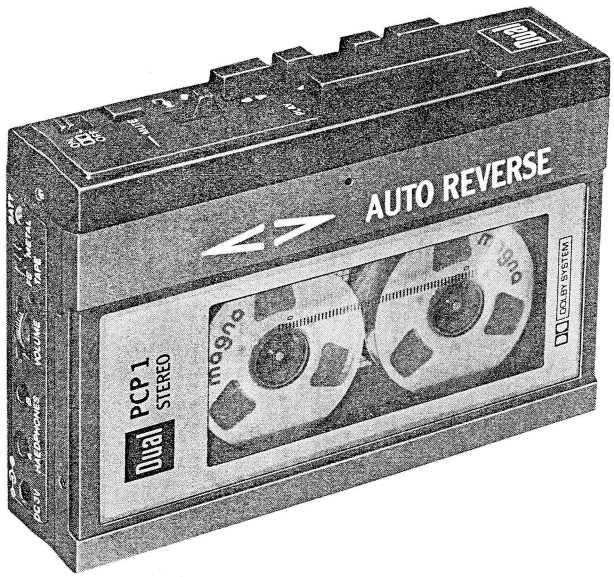

PCP 1

Service-Anleitung
Service Manual
Instructions de Service

Technische Daten	Technical data	Caractéristiques techniques	
Spannungsversorgung 2 Mignonzellen	**Operating voltage** 2 non-spill round cells	**Approvisionnement en courant** deux piles rondes étanches	2 × 1,5 V IEC 6
Anschluß für Netzgerät	**Connection for Power supply**	**Douille de jonction pour appareil d'alimentation**	3 V
Gleichlaufschwankungen (DIN)	**Wow and flutter** (DIN)	**Tolérance de vitesse** (DIN)	< 0,3 %
Übertragungsbereich	**Frequency range**	**Bande passante**	30 Hz – 14 kHz
Umspulzeit für C 60 Cassette	**Fast winding time** for C 60 cassettes	**Temps de rebobinage** pour cassette C 60	150 sec.
2 Kopfhörerausgänge	**2 Headphones outputs**	**2 prises pour écouteur**	> 30Ω
Abmessungen	**Dimensions**	**Dimensions**	126 × 86 × 32,5 mm
Gewicht	**Wight**	**Poids**	0,4 kg

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920841 0284

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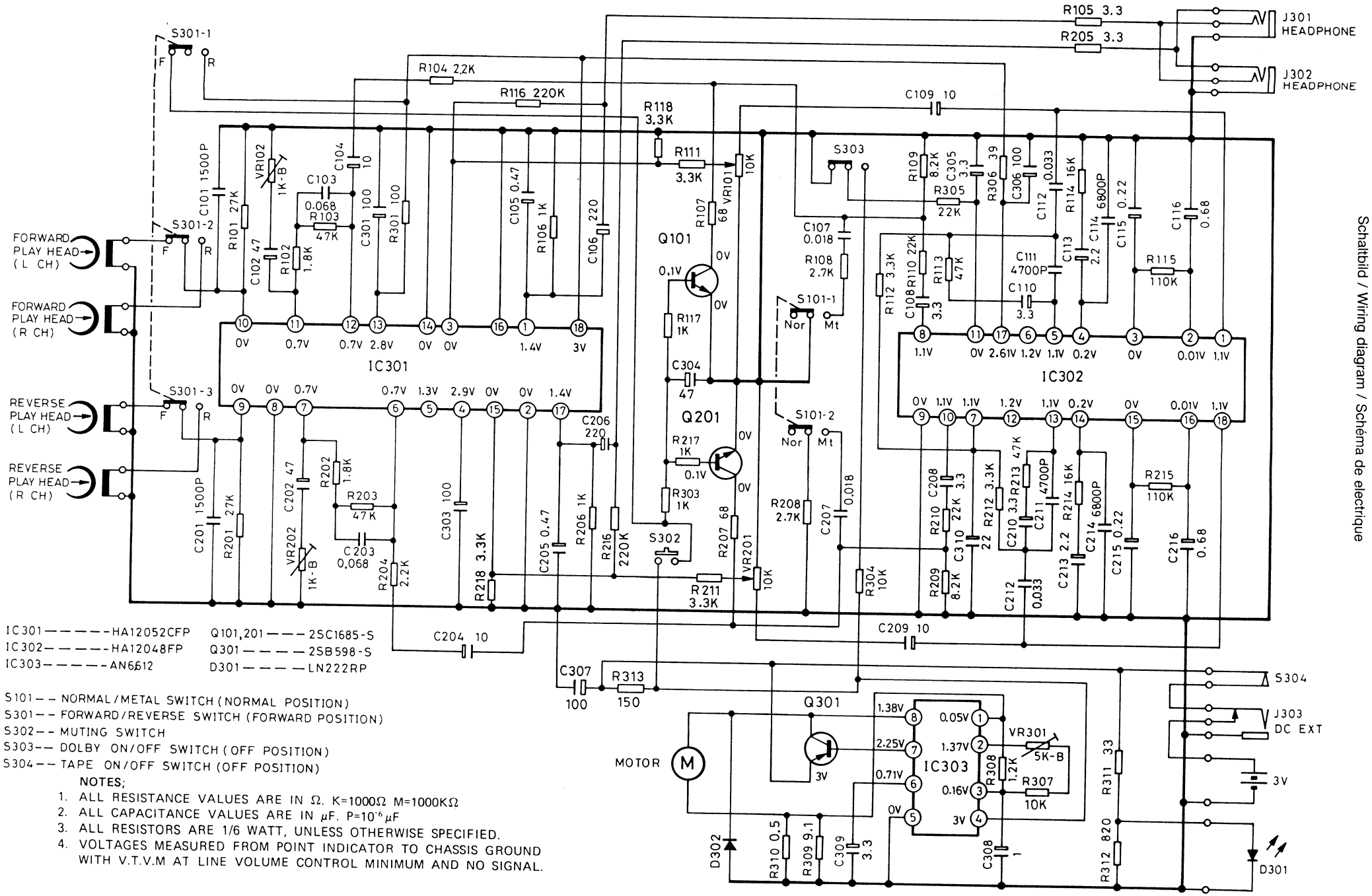


IC301 ------ HA12052CFP Q101,201 --- 2SC1685-S
IC302 ------ HA12048FP Q301 ------ 2SB598-S
IC303 ------ AN6612 D301 ------ LN222RP

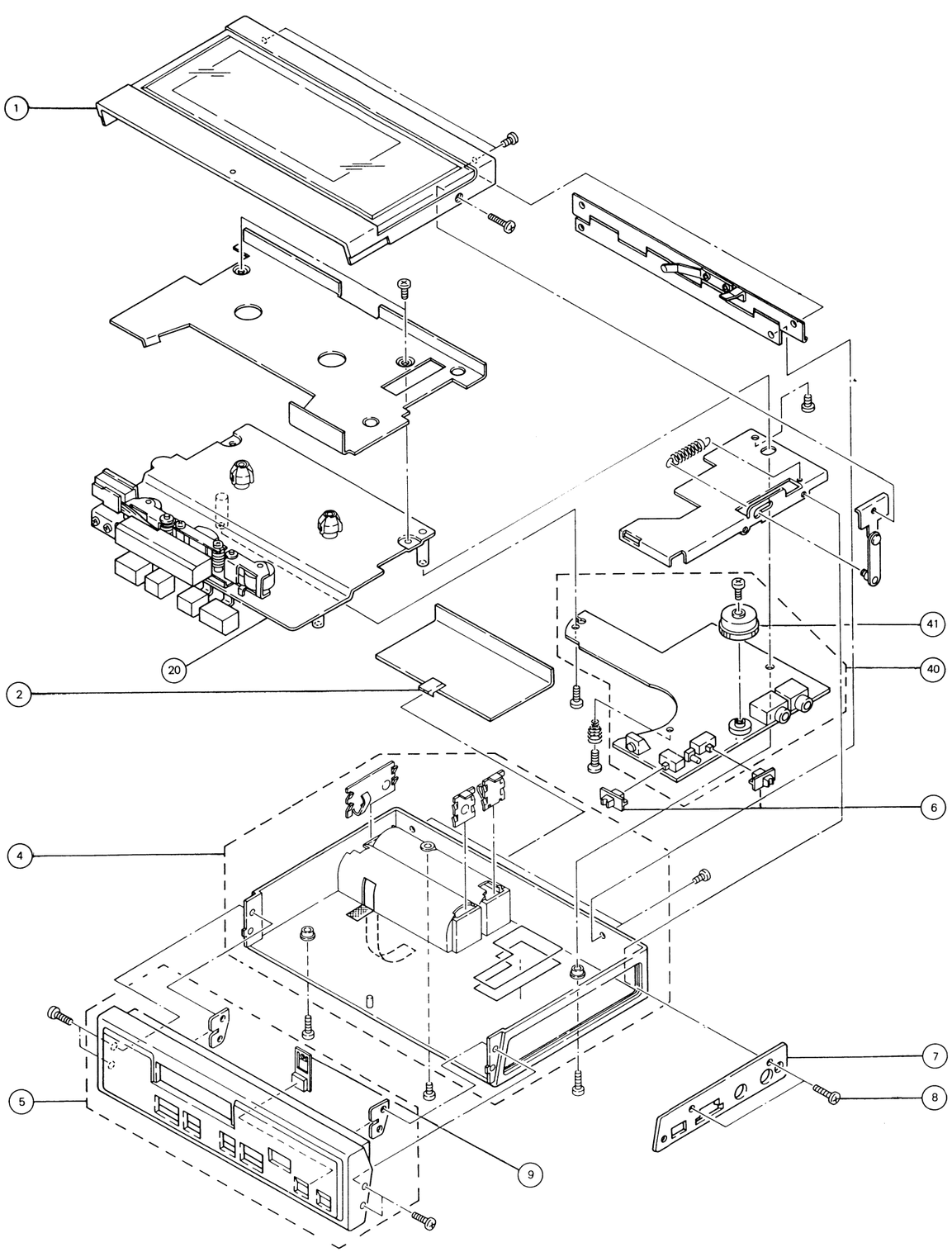
S101 -- NORMAL/METAL SWITCH (NORMAL POSITION)
S301 -- FORWARD/REVERSE SWITCH (FORWARD POSITION)
S302 -- MUTING SWITCH
S303 -- DOLBY ON/OFF SWITCH (OFF POSITION)
S304 -- TAPE ON/OFF SWITCH (OFF POSITION)

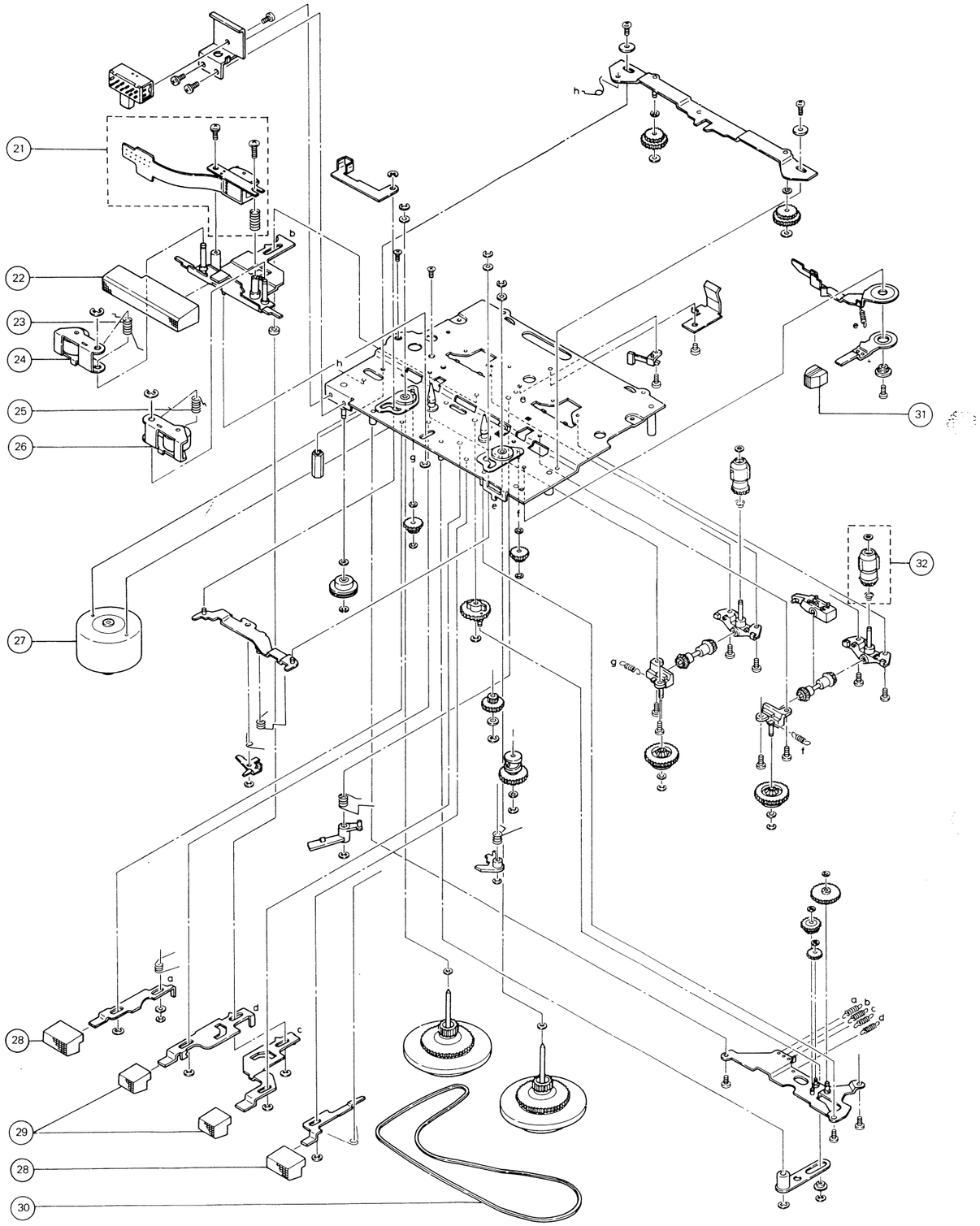
NOTES;

1. ALL RESISTANCE VALUES ARE IN Ω. K=1000Ω M=1000KΩ
2. ALL CAPACITANCE VALUES ARE IN μF. P=10^{-6} μF
3. ALL RESISTORS ARE 1/6 WATT, UNLESS OTHERWISE SPECIFIED.
4. VOLTAGES MEASURED FROM POINT INDICATOR TO CHASSIS GROUND WITH V.T.V.M AT LINE VOLUME CONTROL MINIMUM AND NO SIGNAL.

Schaltbild / Wiring diagram / Schéma de electrique

Explosionszeichnung / Exploded view / Vue explosée



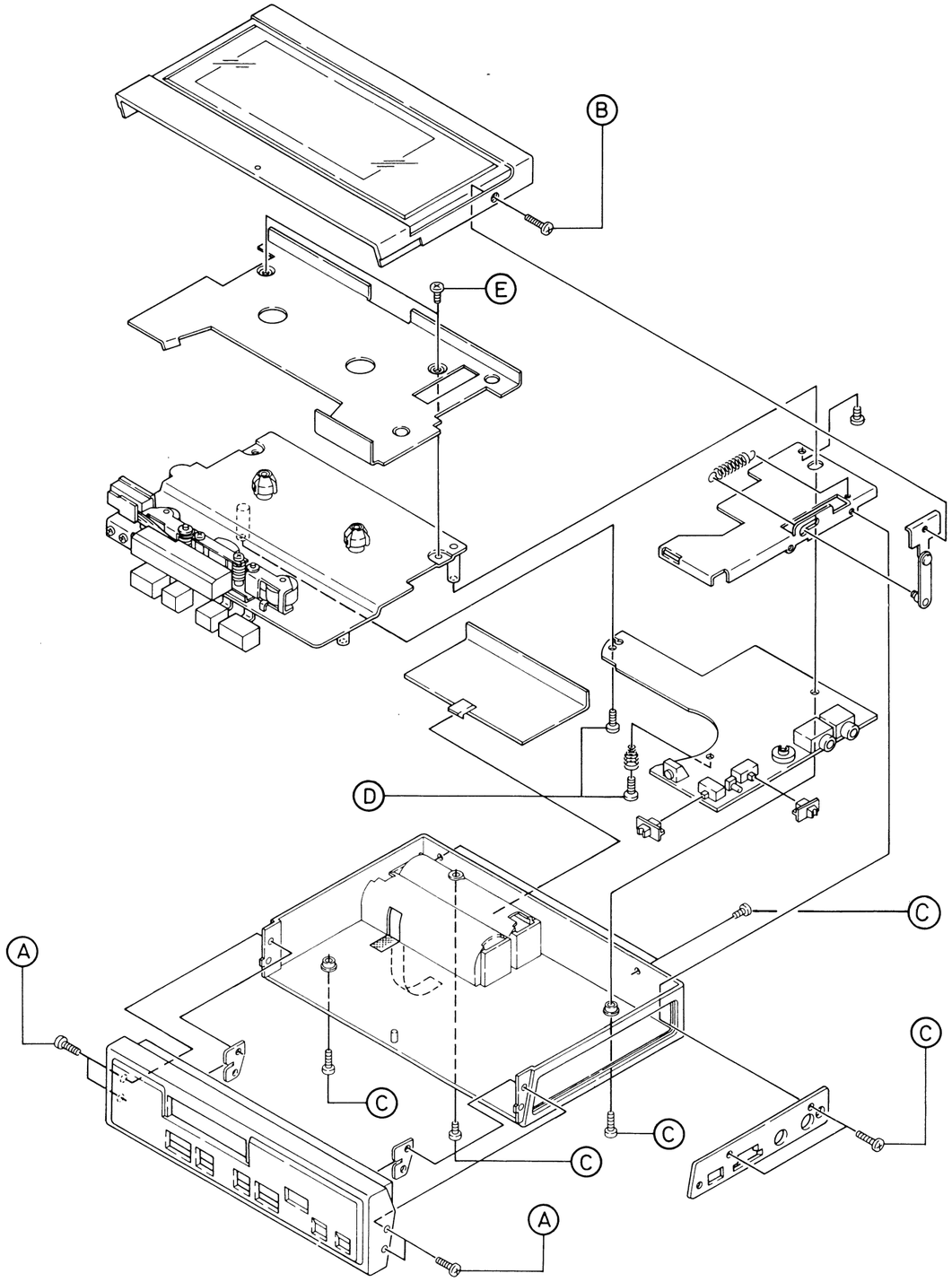


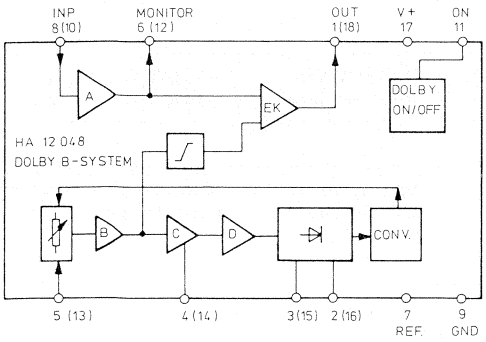
Ersatzteile · Replacement parts · Pièces détachée · PCP 1

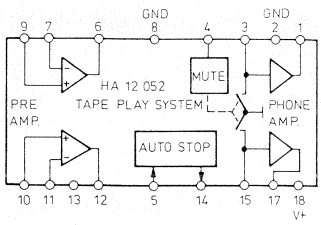
Pos.	Art.-Nr.	Stck	Bezeichnung
1	275331	1	Kassettenschacht kpl.
2	275329	1	Batteriefachdeckel
4	275328	1	Rückwand kpl.
5	275327	1	Abdeckung kpl.
6	275926	1	Schiebeknopf
7	275330	1	Abdeckung
8	275927	6	Schraube 1,7 × 5
9	275324	1	Mutingknopf
20	275925	1	Mechanik kpl.
21	275929	1	Wiedergabekopf kpl.
22	275317	1	Wiedergabetaste
23	275923	1	Schenkelfeder
24	275918	1	Andruckrolle
25	275922	1	Schenkelfeder
26	275917	1	Andruckrolle
27	275315	1	Motor

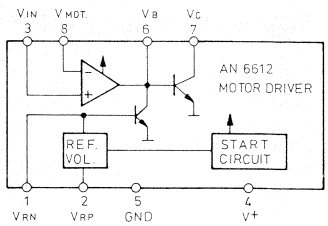
Pos.	Art.-Nr.	Stck	Bezeichnung
28	275319	2	Taste ■, ◀ ▶
29	275318	2	Taste ◀◀, ▶▶
30	275920	1	Riemen
31	275321	1	Taste
32	275930	1	Mitnehmer kpl.
40	275924	1	Grundplatte
41	275332	1	Volume Knopf
J 301	275333	2	Kopfhörerbuchse 3,5
J 302	275333	2	Kopfhörerbuchse 3,5
J 303	275334	1	DC Anschlußbuchse
IC 301	275335	1	IC HA 12052 CFP
IC 302	275336	1	IC HA 12048 FP
IC 303	275337	1	IC AN 6612
50	275515	1	Kopfhörer
9000	274802	1	Bedienungsanleitung PCP 1

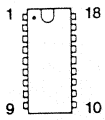
Ausbau der Baugruppen / Assembly Remove / Eloignement des éléments





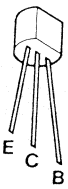






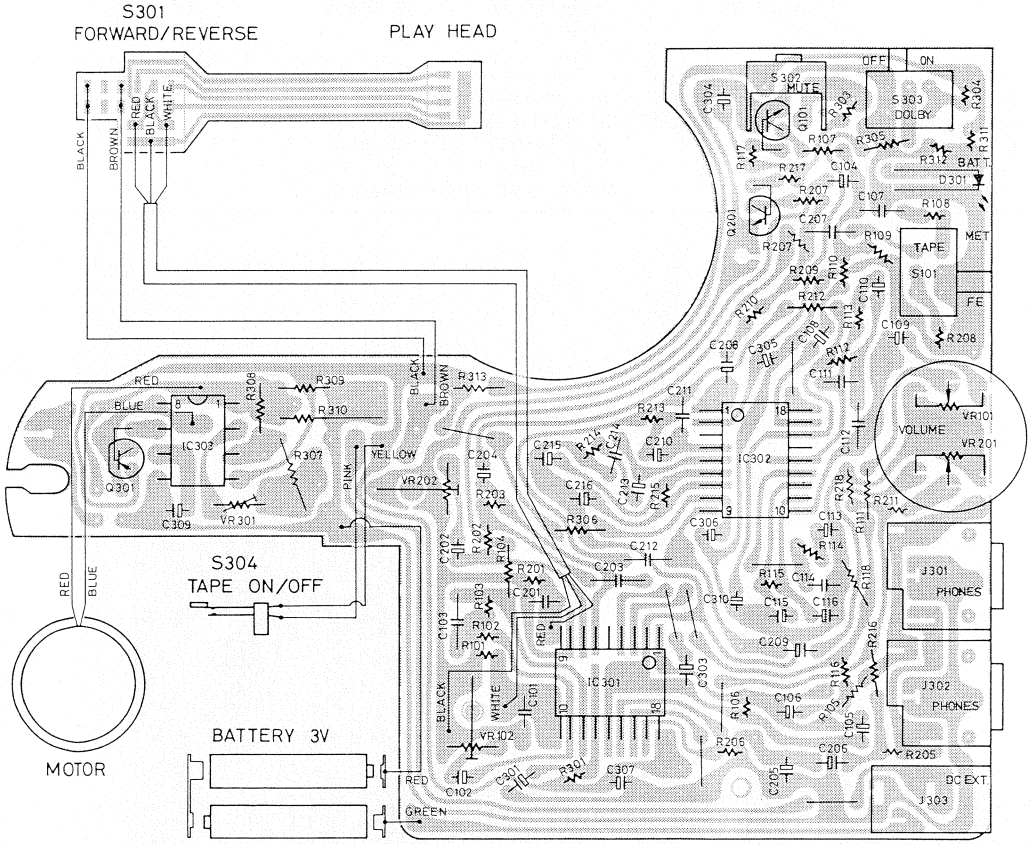
HA 12052 CFP
HA 12048 FP

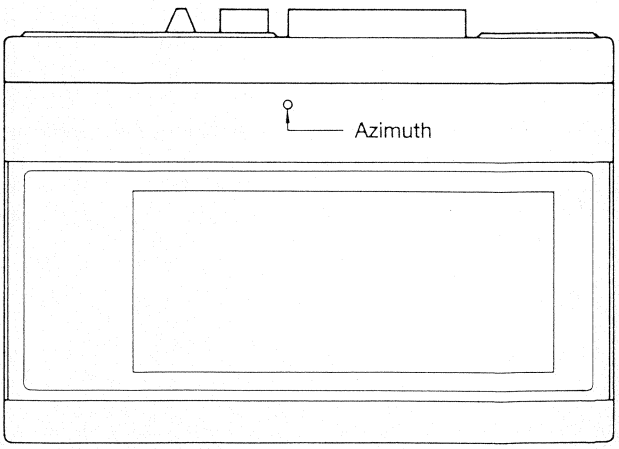
AN 6612



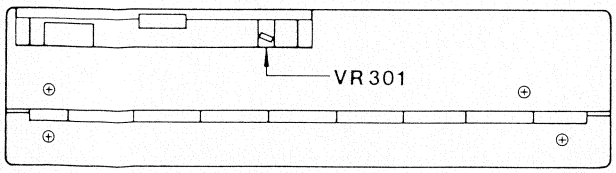
2 SC 1685-S
2 SB 598-S

CIRCUIT DIAGRAM





Batteriefachdeckel abnehmen
Remove Battery cover
Enlevez recouvrement du casier à batteries



Abgleichanleitung PCP 1 · Adjustment instructions PCP 1

Signalquelle Signal source	Einstellung Signalquelle Signal source adjustment	Einstellung Gerät Unit adjustment	Anzeigegerät Anschluß Indicator connection	Abgleichposition Adjustment position	Abgleich, Bemerkung Adjustment, Remarks
Azimut · Azimuth					
Meßkassette 21 Test cassette 21	10 kHz	R 33 Ω an OUTPUT PHONES und GND R 33 Ω to OUTPUT PHONES and GND TAPE: FE	NF-Voltmeter an AF-voltmeter to R 33 Ohm	Azimutschraube A Azimuth screw A	Maximum, mit Lack sichern Lock with lacquer
Bandgeschwindigkeit · Tape speed					
Meßkassette 21 Test cassette 21	3150 Hz	R 33 Ω an OUTPUT PHONES and GND R 33 Ω to OUTPUT PHONES and GND TAPE: FE	Frequenzzähler an Frequency counter to R 33 Ohm	VR 301	3150 Hz, –0,5%
Wiedergabepegel · Playback level					
Meßkassette 21 Test cassette 21	400 Hz Dolby	TAPE: MET Dolby B: ON	NF-Voltmeter an AF-voltmeter to TP 101 TP 201	VR 102 VR 202	100 mV

Meßkassette 1: Gleichlaufkassette 3150 Hz
Meßkassette 21: 400 Hz Dolby-Pegel 200 nWb/m
400 Hz – 20 dB, 10 kHz – 20 dB
Bezeichnung: VR 102 = linker Kanal > größer als
VR 202' = rechter Kanal < kleiner als

Test cassette 1: Tape speed test cassette 3150 Hz
Test cassette 21: 400 Hz Dolby-level 200 nWb/m
400 Hz – 20 dB, 10 kHz – 20 dB
Signification: VR 102 = left channel > greater than
VR 202 = right channel < less than